

The WZA-N series



OEM weigh cells

WZA224-N
 WZA523-N
 WZA1203-N

Outstanding features:

The WZA-N series is the successor of the well established WZA-line. This series focus on weighing resolutions as low as 0.1 mg and capacities of up to 8200 g.

The weigh cell consist of two parts:

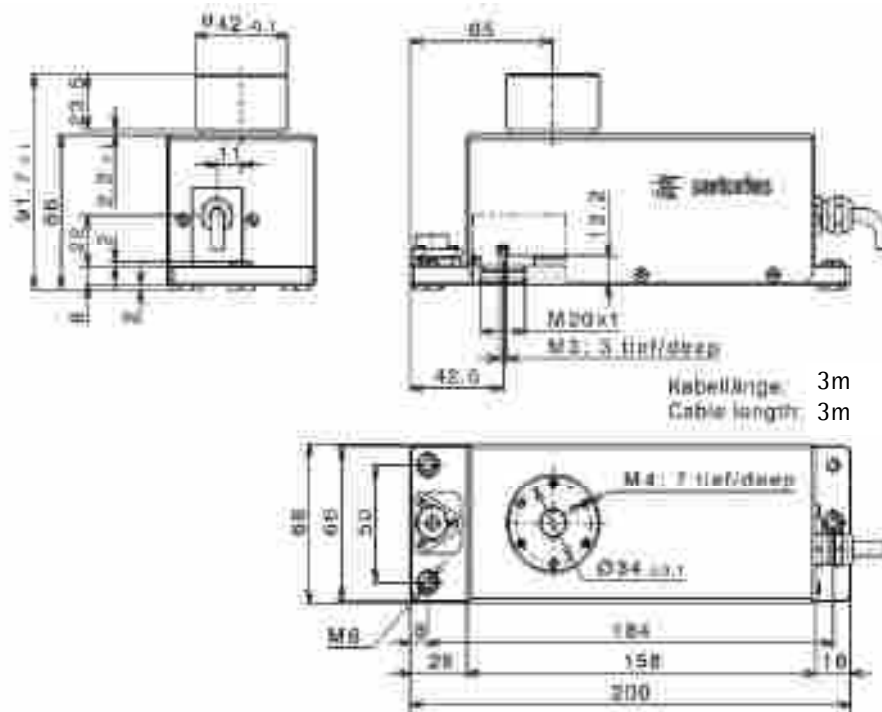
- A monolithic weighing system in stainless steel IP44 housing
- Aluminium electronic box, all connection via the front
- Force compensation technology weighing system with a resolution of 0.1 mg
- Excellent weighing technology bundled with easy adaptation
- Adjustable load receptor with overload protection, optional lift-off protection
- Possibility for under floor weighing
- Interconnection on electronic front panel
- LED's to control power and data transfer
- Fast warm-up by separation of weighing system and electronics
- RS232C interface for configuration and data transfer
- Optional PC-software or display to handle weighing data and configuration
- Display can be plugged in and out during operation

Model WZA...	224-N	523-N	1203-N
Capacity	220 g	520 g	1200 g
Readability	0.1 mg	1 mg	1 mg



WZA...-N

Dimensions in mm



Technical Data

Model	WZA224-N	WZA523-N	WZA1203-N
Capacity	220 g	520 g	1200 g
Readability	0.1 mg	1 mg	1 mg
Preload max. ¹⁾	70 g	50 g	0 g
Repeatability (standard deviation) ²⁾	≤± 0.1 mg	≤± 1 mg	≤± 1 mg
Linearity	≤± 0.2 mg	≤± 2 mg	≤± 2 mg
Measuring time ^{2) 3)}	0.6 s / ± 0.1mg	0.6 s / ± 1 mg	0.6 s / ± 1 mg
Operating temperature range	+10 +30 °C		
Allowable temperature range	+5 +40 °C		
Weigh cell dimension	68 x 200 x 92 mm (base x height)		
Electronic / PCB dimension	130 x 208 x 45 mm (base x height)		
Load receptor (adjustable, with overload protection)	42 mm (diameter), 26 mm height above housing		
Under floor load receptor	M3 thread		
Cable length weigh cell to electronics	3 m		
Power supply	TNG11-2 UNI / 6971993, 115/230 V _{AC} , +15 ... - 20%, 48-60 Hz		
Power supply (alternative)	12...26, optimal 15V (+15% -10%); 0.5V _{pp} (Peak to Peak)		
Power consumption	8 VA (average)		
Interface	RS232C , software / hardware handshake; No system power via RS232 connector		

Options / Accessories

Windows configuration software for test and adjustment	Sartorius CAS Suite
Liquid-crystal display	YAC01ED
Weigh pan to realize lift off protection	YWP01WZA

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- 1) the preload can be configured by using the Sartorius CAS Suite software; higher preload will reduce the weighing range
- 2) depending on measurement equipment set-up and conditions;
- 3) measuring time is the time in which the measured value is in the given range around the static end value; test weight is approx. 25% of the weighing range.

Specifications are subject to change without notice.

Current status: July 2011
Version: 2.0